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Jul 22, 1992

DERWENT-ACC-NO: 1992-295331  
DERWENT-WEEK: 199718  
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TITLE: Hop extract for active oxygen scavenger - obtd. from ground humulus lupulus,  
for malignant rheumatoid arthritis, burns and skin disease treatment

## PATENT-ASSIGNEE:

ASSIGNEE

ASAHI BREWERIES LTD

CODE

ASAK

PRIORITY-DATA: 1990JP-0329799 (November 30, 1990)

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## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> JP 04202138 A ✓	July 22, 1992		006	A61K035/78
<input type="checkbox"/> JP 2514860 B2	July 10, 1996		005	A61K035/78

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 04202138A	November 30, 1990	1990JP-0329799	
JP 2514860B2	November 30, 1990	1990JP-0329799	
JP 2514860B2		JP 4202138	Previous Publ.

INT-CL (IPC): A23K 1/30; A23L 1/30; A61K 7/00; A61K 35/78

ABSTRACTED-PUB-NO: JP 04202138A  
BASIC-ABSTRACT:

Extract prepd. by extracting ground Humulus lupulus with one or two solvents, and concentrating and drying extract, has active oxygen scavenger action. Main ingredient of extract is lupuronic acid (beta acid), coluprone and adolupurone. Pref. solvent is hexane, ethyl acetate or oil. Prepn. comprises grinding 20 g of hop pellets, adding 400 ml of ethanol, extracting on reflux heating for 1 hr., concentrating to give dark-brown semisolid of 8.2 g, distribution extracting with 160 ml of hexane and 160 ml of water, extracting aq. phase twice with 160 ml of hexane, and condensing extract from hexane phase.

USE/ADVANTAGE - Used as pharmaceuticals, food and cosmeticsrow

CHOSEN-DRAWING: Dwg. 0/0

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